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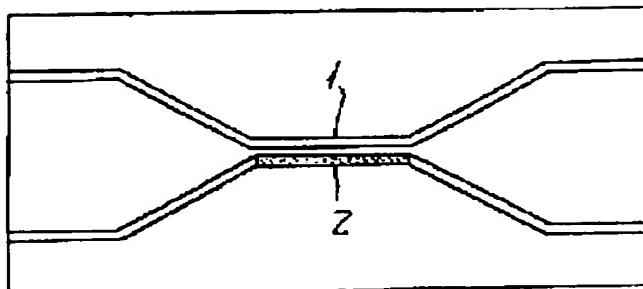
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TITLE : DIRECTIONAL COUPLING TYPE
OPTICAL WAVEGUIDE



ABSTRACT : PURPOSE: To provide the directional coupling type optical waveguide which facilitates mask alignment of waveguides and electrode patterns and can prevent shorting and rupturing by a strong electric field and a pyroelectric effect of the substrate by simplifying the electrode patterns (on the waveguides) of the directional coupler formed by using the optical waveguides.

CONSTITUTION: The directional coupling type optical waveguide is formed out of the optical waveguide 1 installed on the ferroelectric substrate having an electro-optical effect and another optical waveguide in proximity to the optical waveguide 1. The optical waveguide part 2 subjected to polarization inversion is formed in a part of the other optical waveguide in proximity to the optical waveguide 1.

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